PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known ubstitute for form 1449A/PTO 10/647,608 Application Number INFORMATION DISCLOSURE August 25, 2003 Filing Date S. Brandon Keller STATEMENT BY APPLICANT First Named Inventor Art Unit (Use as many sheets as necessary) Examinar Nama 100111235-1

of

Sheet

Attorney Docket Number

	· · · · · · · · · · · · · · · · · · ·		U.S. PATENT	OCUMENTS	
Examiner	Cita	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	Cite No.1	Number - Kind Code <sup>2</sup> (if known)	KM-DD-YYYY	Crist Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/5		US-2002/010901 A1			
351		US- 6,185,722 B1			,
		US-			
		US-			
		บร-			
		US-	<b>\</b>		
		US-			
, <u> </u>		US-			
·		US-			
		US-			
·-		US-			<u></u>
		US-			
<del></del>	Ī	US-			

	FOREIGN PATENT DOCUMENTS												
	Cito	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant								
Examiner Initials*	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Τ <sup>6</sup>							
15		JP 07334532 A	12/22/1995	Mitsubishi Denki Semiconductor									
u u													
			+										
		<u> </u>		· .									

	<u> </u>			الرجازة بالتحصيص فيستحصين والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد والمستحد
Examiner Signature	VUTHE	SIEL	Date Considered	2/15/2005

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 6 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## PATENT APPLICATION Sheet 1 of 6

		TO-1449			ATTY. DOCKET NO. 100111235-1	10/647,608	IRMATION			
s mis Like	oF oF	PATENTS AND PL	IBLICATIONS FOR ON DISCLOSURE		APPLICANT					
N O W. AB	PLICA	TAMPORMATI S'TNA STATE	ON DISCLOSURE	İ	S. Brandon Keller, et al.					
A. C.	9				FILING DATE	GROUP 7 & 2				
PADEMARK	(U	se several sheets i	f necessary)		Aug. 25, 2003	000				
REFERER	ICE (	DESIGNATION	U.S. P	atent	DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME	Pages, Columns, Lines Relevant Passages or Figure				
	1A									
	1B									
	1C									
	1D									
	1E						·			
	1F									
	1G									
	1H									
	11									
	1J									
	1K			+						
			FO	REIGN	PATENT DOCUME	NTS	Che			
		DOCUMENT NUMBER	PUBLICATION DATE		ME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures App	Trans			
	1L									
	1M									
	1N									
	10	· · · · · · · · · · · · · · · · · · ·								
	1P									
•	<u> </u>	OTHER REFE	RENCES (includir	ng Auti	hor, Title, Date, Pe	rtinent Pages, etc.)				
V>	10	10/706.682. E	ELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 0/706,682, Entitled: Method And Program Product For Determining Nets Requiring Detailed lectromigration And Self Heating Analysis In A Digital Integrated Circuit; Filed November 12,							
V/S	1R	KELLER, S. Bra 10/706,698, E Digital Integrate	ELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 0/706,698, Entitled: Method And Program Product For Performing Self-Heating Analysis In A igital Integrated Circuit Through A Single Cycle Transient Simulation; Filed November 12, 2003							
15	15	10/708,376, Electromigration	ntitled: Method And	d Progra Design	am For Visual Display	J.S. Patent Application Serial y and One-Click Repair Of Digital Integrated Circuit Lay				
EXAMIN	FR	1 ,			DATE CONSIDERE	D	·			
	<b>-1</b>	NUT	HE SLEK			72005				

Rev 10/03 (PTO1449)

					ATTY. DOCKET NO.		APPLICATION NO.	CONFIRMATION
1 5	5	O-1449			100111235-1		10/647,608	
CO ,ni	ST'OF I	PATENTS AND PU NT'S INFORMATION	IBLICATIONS FOR		APPLICANT			
FEB 0 6		STATE			S. Brandon Keller, et al.  FILING DATE GROUP			
	/11a	e egyptal sheets i	f necessary)		Aug. 25, 2003		282	6
REFERE	A COLOR	ESIGNATION	U.S. PA	ATEN	DOCUMENTS			
KAMINER	Т	DOCUMENT NUMBER	PUBLICATION DATE	X	NAME	.	Pages, Columns Relevant Passages	
INITIAL	24	MOMBEN	DATE	-	TVANTE.			
	2A 2B			_				
	2C							
	2D			_			<u>.</u>	<del></del>
	2E					,		
	2F		\	+	<del></del>	<u> </u>		
	2G			+			· · · · · · · · · · · · · · · · · · ·	
· · · ·	2H				· · · · · · · · · · · · · · · · · · ·			
<del></del> -	21							
	2J							
	2K		\				i	
		DOCUMENT NUMBER	PUBLICATION DATE	h	OR APPLICANT		Pages/Columns/Line evant Passages/Figu	11141
	2L				\			
	2M							
	2N							
	20			÷				
	2P				1		Paras	<u></u>
	-	OTHER REF	ERENCES (includii	ng Au	thor, Title, Date, P		ent Pages, etc.,	·
4	20	10/706,501, E Digital Integrat	intitlad: Mathad An	d Prog erting	R.; LELM, Charles A.; ram Product For Per A Netlist To A DC M	rtormir	na Electromiaratio	n Anaivsis in A
<i>&gt;</i>	2R	10/706,526, E And Self Heati	ntitled Method An	id Prog igital Ir	R.; LELM, Charles A.; ram Product For Per ntegrated Circuit Wit	rtormir	ia A Worst Case I	Electromigration
5	25	110/708 892 F	intitled: Method An	id Proc	R.; LELM, Charles A.; ram Product For Per gle Cycle Transient S	rformir	na Electromiaratio	n Anaiysis in A
		]						

					ATTY. DOCKET NO.		APPLICATION NO.	CONFIRMATI	ON I
FO	RWI PI	ro-1449			100111235-1	•	10/647,608		
	ACOK BUCA	PATENTS AND PURIT'S INFORMATION	BLICATIONS FOR		APPLICANT	•	•		
		STATE			S. Brandon Keller, et al.  FILING DATE GROUP // //				
FEB 0 6	2004 (Us	e several sheets it	necessary)		Aug. 25, 2003		2876	)	
ATTERES	ABENT OF	ESIGNATION	U.S. PA	TEN	T DOCUMENTS	· .	1		<del></del> -
XAMINER		DOCUMENT	PUBLICATION	$T_{\lambda}$	NAME	$\overline{}$	Pages, Columns, Relevant Passages of		<b>—</b>
INITIAL		NUMBER	DATE	$ \swarrow $	NAME		Relevant Passages of		
	3A	<u></u>		+			· ·		
	3B			+					
	3C			$\downarrow$					<del></del>
	3E		<u> </u>	+	· · ·				
	3F					_		<u></u> .	
	3G			+		$\dashv$	<u> </u>	<del></del>	
	3H			+					
	31			+					
	3J			+					_
	3K							<u>.                                    </u>	
									_
			FOR	EIGN	PATENT DOCUME	NTS			
		DOCUMENT NUMBER	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT		Pages/Columns/Lines levant Passages/Figur	Where T	Chec rans attac
	3L								
•	ЗМ								
	3N							_	
	30					<u> </u>		<u> </u>	
	3P					<u> </u>			
		OTHER REFE	RENCES (includin	g Au	thor, Title, Date, Pe	ertin	ent Pages, etc.)		
(×)	30	10/708 508. F	ntitled: Method And ed Circuit Layout Da	l Proc	R.; LELM, Charles A.; gram Product For Perfose by Substituting Res	ormii	ng Self-Heating Ana	alysis in A	er
1/2	3R	under EV2106	SSS16LIS: Entitled:	Meth cuit	R.; ROBBERTS, George od And Program Produ Through Worst-Case S ary 30, 2004	uct F	For Determinina Wo	rst Case	<del></del>
8	38	l under EV2106	ndon; ROGERS, De 55564US; Docket: Analysis Results; Fil	2003	R.; ROBBERTS, George 308901-1; Entitled: Sy anuary 30, 2004	e H.; ⁄sten	U.S. Patent Applic ns And Methods Fo	ation filed r Re-Using	
EXAMIN	IER	1/17	HE SIEI	v	DATE CONSIDERE		115/05	<del></del> .	

	•			ATTY. DOCKET NO.	APPLICATION NO. CONFIRM	ATION N			
FC	DRW P	TO-1449		100111235-1	10/647,608				
PU	ETOF	PATENTS AND P	JBLICATIONS FOR	APPLICANT					
) , , w	~~	NT'S INFORMATI			S. Brandon Keller, et al.				
rea N 6	_	several sheets i	f necessary)	FILING DATE	GROUP /) 17/6				
EB 0 6				Aug. 25, 2003	A lau				
EFEREI	NO.	DESIGNATION	U.S. PA	TENT DOCUMENTS					
XAMINER INITIAL	- T	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Whe Relevant Passages or Figures A				
	4A				·				
	4B								
	4C								
	4D			,					
	4E								
	4F		\	<del></del>					
	4G		\ \		<del></del>				
<del>-</del> .	4H	<del>_</del>		<del></del>					
	41	<del></del>		<del>\</del>					
	47	· · · · · · · · · · · · · · · · · · ·							
	4K								
		DOCUMENT NUMBER	PUBLICATION DATE	OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Transla attacl			
	4L								
	4M	<u></u>							
	4N			\					
	40								
	4P								
		OTHER REF	ERENCES (including	Author, Title, Date, Pe	ertinent Pages, etc.)				
	40	l under EV2106	55581US: Docket No	nis R.; ROBBERTS, Georg o.: 200308899-1; Entitled Circuit Design; Filed Janu	e H.; U.S. Patent Application filed I: System And Method For uary 30, 2004				
7									
ν) \}	4R	Lunder EV2106	55595US: Docket No	p.: 200308898-1: Entitled	e H.; U.S. Patent Application filed d: Systems And Methods That Ide or Analysis Tools; Filed January 30	ntify			
5 5 5	4R 4S	under EV2106 Equivalent Inst 2004 KELLER, S. Bra Patent Applica	55595US; Docket Notantiation-Specific Connection Connection Connection; ROGERS, Dentition filed under EV21	o.: 200308898-1; Entitled on Figuration Information Fo	d: Systems And Methods That Ide	ntify D,			

E/	ND04 D1	rO-1449			ATTY. DOCKET NO.	<b>1</b>	APPLICATION	NO.	CONFIRMATION	N		
					100111235-1		10/647,60	8				
\ PA	ST OF	PATENTS AND PL NT'S INFORMATI	JBLICATIONS FOR ON DISCLOSURE		APPLICANT							
)	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	STATE	MENT		S. Brandon Keller, FILING DATE		GROUP /	<del>\</del>				
SFR 0 6	2004U	several sheets i	f necessary)		Aug. 25, 2003		$\langle \lambda \rangle$	126				
		ESIGNATION		ATEN	T DOCUMENTS							
XAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME	R	•		Lines Where Figures Appear			
	5A											
	5B											
	5C											
	5D											
<u> </u>	5E											
	5F							_				
	5G											
	5H											
	51											
-	5J											
	5K											
		DOCUMENT NUMBER	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT		ages/Column vant Passage			818		
	5L	· · · · · ·		_			<del></del>					
	5M					Ì						
. <del></del>	5N											
	50											
-	5P											
		OTHER REF	ERENCES (includi	ng Au	thor, Title, Date, Pe	ertine	nt Pages, e	etc.)				
>	5Q	under EV2106	andon; ROGERS, Do 55533US; Docket: Information; Filed J	2003	R.; ROBBERTS, George 310172-1; Entitled: Sy y 30, 2004	e H.; l ystem	J.S. Patent And Metho	Applic d For I	ation filed Processing			
5	5R	Lunder FV2106	KELLER, S. Brandon; ROGERS, Dennis R.; ROBBERTS, George H.; U.S. Patent Application filed under EV210655555US; Docket: 200310170-1; Entitled: System And Method For Balancing Run-Time And Result Accuracy In A Circuit Design Analysis Tool; Filed January 30, 2004									
ゟ	58	Lunder EV2106	55578US: Docket:	2003	R.; ROBBERTS, George 108900-1; Entitled: Sy Circuit Design Analysi	ystem	And Methor	d For I	ndicating			
EXAMI	NER	1) WTH	ESIER		DATE CONSIDERE	ED	15705	/				

	ODA D	TO-1449			ATTY, DOCKET NO.		APPLICATION NO.	CONFIRMATI	ON NO	
					100111235-1		10/647,608	· · · · · · · · · · · · · · · · · · ·		
1	IST QE IPPCICA	PATENTS AND PU NT'S INFORMATION	BLICATIONS FOR ON DISCLOSURE		APPLICANT ,					
	•	STATE	MENT		S. Brandon Keller, et al.  FILING DATE GROUP				<del></del>	
FEB 0	6 2004	se several sheets if	necessary)		Aug. 25, 2003		ayab			
		SIGNATION		ATEN	T DOCUMENTS					
EXAMINE	F	DOCUMENT NUMBER	PUBLICATION DATE		NAME		Pages, Columns Relevant Passages		ar ——	
	6A									
	6B				. /					
	6C									
	6D							·		
	6E			$\bot$					_	
	6F		·····	4		•			_	
	6G						·			
	6Н									
	61			_		<del></del>		· · · · · · · · · · · · · · · · · · ·		
	61			_					_	
	6K								<del></del>	
	<del>,</del>		FO	REIGN	PATENT DOCUM	TENT			Check i	
<u> </u>		DOCUMENT NUMBER	PUBLICATION DATE	N	OR APPLICANT	R	Pages/Columns/Line elevant Passages/Figu		ranslatio attached	
	6L									
•	6M									
	6N				•				<del></del>	
	60		/			_	•			
	6P.									
		OTHER REFE	RENCES (includi	ing Au	thor, Title, Date,	Pertir	nent Pages, etc.)	· · · · · · · · · · · · · · · · · · ·		
VS	60	KELLER, S. Braunder EV21069 Control Signal January 30, 20	55547US; Docket: Combinations For	ennis I : 2003 Use Du	R.; ROBBERTS, Georgian 1985 (1997) Report of the second se	rge H. Syste A Sta	.; U.S. Patent Appli m And Method For ge Of A Circuit Des	cation filed Determining sign; Filed		
	6R			. •	·-					
	65		<del></del>	$\overline{}$						
				\						
EXAM	INER	L		· ·	DATE CONSIDE	RED	. 4			
		VU	THE SIE	!			7/15705	•		
Rev 10/03 (I	PTO1448)						1 1 1 5	<del></del>	_	